

## **Meeting Notes: Community Advisory Group - Aerojet Superfund Issues, November 15, 2006**

### **1. Attendees**

Alex MacDonald (Regional Water Quality Control Board), Charles Berrey (EPA), Kevin Mayer, (EPA), Jackie Lane (EPA), Janis Heple, Jean Young (SCWA), Larry Ladd, Angel Ball, Greg Ball, Jenny Byars, Rick Bettis, Michael Girard (Aerojet), George Waegell, Paul Schubert (GSWC), John Coppola (Sacramento County), Tricia Carter (Recorder, CH2M HILL),

### **2. Approval of Meeting Minutes**

The September meeting minutes were accepted as final. No comments were provided.

### **3. Aerojet Community Updates: Mike Girard, Aerojet**

Mike Girard provided several dates for upcoming meetings:

#### **Ancil Hoffman Treatment Plant:**

Ancil Hoffman Parks Commission Mtg - Nov 16

CWD Ancil Hoffman Public Mtg 6:30 @ CWD office - Dec 14

#### **GET K:**

Rancho City Council GET K Agenda Item - Dec 18

### **4. Update from the July 2006 Meeting Regarding Major Milestones in OU-3 and Outside of OU-3: Charles Berrey, EPA**

## **November 15, 2006 Community Advisory Group Meeting**

### **Status Aerojet Operable Unit 3 Since 7/26/06 Meeting**

- 08/02/06 Agencies provided additional comments on Aerojet's Interim GET E/F Effectiveness Tech. Memo. Aerojet submits revision 1 to the document 9/16. The Agencies on 10/13 request further modifications within 90 days. Agencies letter requesting a work plan be submitted is pending.
- 08/03/06 Agencies agreed to Aerojet's 8/01/06 request to delay submission of the Inner Barrier Compliance and Sentinel Well Network Plan from 8/7 to 9/5/2006.
- 08/03/06 Agencies deny Aerojet's request of 8/1/06 to delay video and spinner survey of Golden State water supply wells 5, 6, 7, 10 and 12 until 9/30/06. Work started in 11/1 due to permitting delays for pulling the pumps.
- 08/03/06 Agencies granted Aerojet's request 7/20 to extend completing modification of Area 2 N-Nitrosodimethylamine (NDMA) treatment system from 9/27/06 to 4/5/07.
- 08/31/06 The EPA requested the County to exempt Area 4 Bajamont Way Treatment

Plant from requiring a grading permit.

- 09/11/06 Agencies approve with comments Aerojet's 8/20/06 Technical Memorandum-Procedures for Aquifer Testing and Spinner Log Testing of County closed well 17 (Aerojet 1030).
- 10/12/06 EPA sent a letter and RWQCB issued an email to the Planning Commission requesting approval of the Area 3 Treatment Plant location at Rancho Cordova Church of Christ. RWQCB emailed a rebuttal to the proposed Planning Commission denial of Resolution 80-2006. Aerojet formally appealed the Planning Commission parcel subdivision denial and appeal is set for City Counsel review 12/04/06. See attached sites considered Rancho Cordova Church of Christ proposed and two alternatives Hagan Park and Federspiel Park.
- 10/16/06 Aerojet submitted a request for a 120 day extension for submission of the Short-term and Long-term Water Replacement Contingency Plans. The EPA met with California American and their legal counsel on 10/25/06. California American by email of 11/8/06 stated it does not object to Aerojet's extension request. The Agencies draft response is being reviewed.
- 11/06/06 Agencies request resubmission of Aerojet's 9/14/06 Draft Inner-Barrier Compliance Monitoring Plan by 1/11/07, primarily for better definition of monitoring well objectives.

### **Other Aerojet Environmental Efforts Since 7/26/06 Meeting**

- 08/02/06 Agencies agreed to Aerojet's 7/31/06 request to abandonment of GET D extraction well 4017 and multi-completion monitoring well 279 and 281.
- 08/07/06 Agencies grant Aerojet an extension from 7/1/06 to 9/15/06 for submission of its Environmental Projects Report.
- 08/07/06 Agencies approved Aerojet's 1,3-Butadiene Standard Operating Procedure. Resampling in OU5 has not shown 1,3 Butadiene to be present.
- 08/09/06 Agencies approved Aerojet's proposed additional monitoring well locations in Zones 3 and 4.
- 08/17/06 Agencies request Aerojet resubmits the Aerojet Site draft 2006-7 Groundwater Monitoring Plan submission of 6/7 and 7/18 to address Agencies' comments. Aerojet resubmitted the document 10/24/06 and the Agencies response is pending.
- 09/05/06 Agencies comment on Aerojet's 7/13/06 NDMA best available test method review. A conference call was held 10/16/06. Aerojet issued a response to Agencies' comments and phone discussion on 10/30/06 indicating Aerojet will be submitting an evaluation of lowering its NDMA practical quantitation limit from 5 ppt to 2 ppt by 1/15/07 using a further

modification to EPA's method 1625.

- 10/03/06 Agencies request resubmission of Aerojet's 7/26/06 Background Metals in Xerorthents and Redding-Coring-Red Bluff Surface Soils within 30 days.
- 10/17/06 Agencies approved revised schedules delaying material modification to Groundwater Extraction and Treatment (GET) systems American River, A and B. Toe plume control designs to be submitted 10/02/07 for American River GET, 2/21/06 for GET A and 8/2/06 for GET B. New toe of plume monitoring well 30316 shows 8.6 ppb perchlorate on its first sampling which were subsequently confirmed necessitating further step-out for toe plume definition for GET B. Offsite monitoring wells for GET A toe of plume definition are being installed.
- 10/30/06 Agencies and Aerojet reviewed Aerojet progress on the Johnson and Ettinger calibration for vapor intrusion risk for Operable Unit 5 and OU5 revisions to the Remedial Investigation/Feasibility study. A risk evaluation methodology summary was issued 10/31 for modification to the OU5 risk assessment.

Charles also provided maps of the proposed treatment facility location at the church. This map represents the preferred alternative. The location is slightly west of the intersection of Rossmoor Drive and Coloma Road. Additional maps noted the potential alternate locations for the treatment facilities at Hagan Park and Federspiel Park and proposed discharge locations.

#### **5. General Aerojet Cleanup Overview: Alex MacDonald, RWQCB**

Alex MacDonald provided a handout summarizing proposed extractions wells within the Boundary OU as of November 2006. Extraction wells were defined as A, B, C, or D layer extraction wells. Monitoring wells were also identified. An additional handout was provided summarizing the location of each Groundwater Extraction and Treatment (GET) facility.

#### **6. Replacement Water Supply Project (RWSP): John Coppola, Sacramento County**

Mr. Coppola reviewed the RWSP objectives of 1.) a long-term potable water supply, 2.) a non-potable water supply, and 3.) groundwater recharge. Mr. Coppola identified the sources of the RWSP water supply which includes the Aerojet/Boeing GET facilities (GET A, B, E/F, ARGET, H, J, K, Mather GET, and Alpha GET). Figures were provided showing the 2006 GET facilities and pumping rates and the estimated 2010 GET facilities and pumping rates (Figures 1 and 2, respectively).

The projected RWSP water distribution for each objective includes the following:

1. Long-term potable water supply
  - Sacramento County Water Agency
  - Golden State Water Company
  - California American Water Company

## 2. Non-Potable Use (to be determined)

- Alpha GET; and/or
- GET A and B

## 3. Groundwater Recharge:

- GET A and B to Rebel Hill Ditch
- Cosumnes River

It was also noted that another factor in projected water distribution includes evapotranspiration.

Mr. Coppola reviewed the scope of the Draft EIR. A focused environmental impact analysis will be performed on the discharge and diversion of GET water for potable use with proposed GET discharge alternatives and proposed SCWA pipeline alignments. An analysis will also be performed on the Cosumnes River recharge. Mr. Coppola noted that the environmental document for non-potable use is deferred pending available and additional information.

Three proposed RWSP discharge points were summarized and identified in Figures 3 and 4 for these alternatives:

1. Alder Creek Discharge Alternative: Alder Creek & Boyd Station discharge points
2. Buffalo Creek Discharge Alternative 1: Buffalo Creek & Boyd Station Discharge Points
3. Buffalo Creek Discharge Alternative 2: Buffalo Creek & Boyd Station Discharge Points

The proposed RWSP diversion points were also summarized and identified in Figure 5 for these points:

1. Folsom South Canal Diversion (5,000 AFA to Golden State Water Company; 5,000 AFA to Cosumnes River Diversion Point).
2. Cosumnes River Diversion to Cosumnes River
3. Fairbairn Water Treatment Plant Diversion (5,000 AFA to Cal Am Water Company)
4. Freeport Diversion (16,800 AFA to Freeport Water Treatment Plant for distribution to the Rancho Cordova area)

The estimated implementation schedule is as follows:

- Long-term potable water supply – 2012
- Non-Potable water supply for Sunrise Douglas area – 2008
- Groundwater recharge using Rebel Hill Ditch – Ongoing
- Cosumnes River recharge – 2006 and ongoing as needed

## 7. Next Meeting

Next meeting: Wednesday, January 24, 2006, City Hall, 2729 Prospect Park Drive, Rancho Cordova, 7 p.m. to 9 p.m.